

## ZALECANE PARAMETRY SKRAWANIA PRZY STOSOWANIU PŁYTKI WYGŁADZAJĄCEJ

Materiał przedmiotu obrabianego	Gatunek	Zalecana prędkość skrawania (m/min)
P	VP25N	200 (80–250)
	VP15TF	180 (80–250)
M	VP15TF	120–270
K	MC5020	130–250
	VP15TF	
	MB710	
S	VP15TF	20–50
H	VP15TF	40–80
N	MD220	650 (300–1000)

## ZALECANE PARAMETRY SKRAWANIA

Materiał przedmiotu obrabianego	Twardość	Gatunek	Prędkość skrawania (m/min)	Obróbka wykańczająca-lekka		Obróbka lekko-półciężka		Obróbka zgrubna-ciężka		
				Posuw na ząb (mm/ząb)	Łamacz wióra	Posuw na ząb (mm/ząb)	Łamacz wióra	Posuw na ząb (mm/ząb)	Łamacz wióra	
P	Stal konstrukcyjna	≤180HB	F7030	280 (210–350)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
			MP6120 VP15TF	250 (200–300)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
			MP6130	240 (190–290)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
			VP30RT	230 (180–280)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
			NX4545	180 (130–230)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	–	–
	Stal węglowa Stal stopowa	180–280HB	F7030	250 (200–300)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
			MP6120 VP15TF	220 (170–270)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
			MP6130	200 (150–230)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
			VP30RT	150 (120–180)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
			NX4545	150 (120–180)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	–	–
	280–350HB	F7030	180 (130–230)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH	
		MP6120 VP15TF	140 (100–180)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH	
		MP6130	120 (90–150)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH	
		VP30RT	100 (80–160)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH	
		NX4545	100 (80–160)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	–	–	
M	Stal nierdzewna	≤270HB	MP7130 VP15TF	220 (170–270)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
			MP7140 VP30RT	200 (150–250)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
			NX4545	150 (120–180)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	–	–
K	Żeliwo Żeliwo sferoidalne (GGG)	Wytrzymałość na rozciąganie ≤450MPa	MC5020	200 (150–250)	–	–	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH FT
			VP15TF	180 (130–250)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
		Wytrzymałość na rozciąganie ≥450MPa	MC5020	110 (80–150)	–	–	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH FT
N	Sropy aluminium	–	HTi10	650 (300–1000)	0.15 (0.1–0.2)	JP	0.2 (0.1–0.3)	JP	0.3 (0.2–0.4)	JP
S	Stop tytanu	–	MP9120 VP15TF	50 (40–60)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
			MP9130	45 (30–55)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
	Stop żaroodporny (Inconel718, itd.)	–	MP9120 VP15TF	40 (20–50)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
			MP9130	35 (15–45)	0.15 (0.1–0.2)	JL	0.2 (0.1–0.3)	JM	0.3 (0.2–0.4)	JH
H	Stal Hartowana	40–55HRC	VP15TF	80 (60–100)	0.1 (0.05–0.15)	JL	0.15 (0.1–0.2)	JM	0.2 (0.1–0.3)	JH